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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/019,048	12/27/2001	Ernst Heinz	0093/000032	5170	
26474 75	90 06/26/2006		EXAM	INER	
NOVAK DRUCE DELUCA & QUIGG, LLP			GUZO,	GUZO, DAVID	
1300 EYE STR	EET NW				
SUITE 400 EAST TOWER			ART UNIT	PAPER NUMBER	
WASHINGTON	N, DC 20005		1636		
			DATE MAILED: 06/26/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.



# UNITED STATES DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION		ATTORNEY DOCKET NO.
				EXAMINER
			ART UNIT	PAPER
				3
			DATE MAILED	): ·

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner for Patents** 

- SEE ATTACHMENT AND NOTICE TO COMPLY WITH THE SEQUENCE RULES -

# Application No. Applicant(s) 10/019,048 Heinz et al. **Notice to Comply** Examiner Art Unit **David Guzo** 1636 NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE **DISCLOSURES** Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)). The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s): 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence" Listing" as required by 37 C.F.R. 1.821(c). 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e). ☑ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d). 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e). ☐ 7. Other: **Applicant Must Provide:** An initial or substitute computer readable form (CRF) copy of the "Sequence Listing". An initial or substitute paper copy of the "Sequence Listing", as well as an amendment specifically directing its entry into the application. A statement that the content of the paper and computer readable copies are the same and, where

A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216 or (703) 308-2923

For CRF Submission Help, call (703) 308-4212 or 308-2923

Patentin Software Program Support

Technical Assistance......703-287-0200

To Purchase Patentin Software......703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

### **Attachment**

The reply filed on 4/5/06 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s): The Sequence Listing filed 4/5/06 contains errors and cannot be entered (See attached Raw Sequence Listing Error Report). See 37 CFR 1.111. Since the above-mentioned reply appears to be bona fide, applicant is given ONE (1) MONTH or THIRTY (30) DAYS from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Guzo, Ph.D., whose telephone number is (571) 272-0767. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 5:30 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Irem Yucel, Ph.D., can be reached on (571) 272-0781. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Guzo June 14, 2006

RIMARY FXAMER

## STIC Biotechnology Systems Branch

# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/019.048A
Source:	1546
Date Processed by STIC:	4/7/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
   Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/0/9,048A
	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing.  Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
11Use of <220>	Sequence(s)missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown. Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

Vleese consult Sequera Rules

Jor valit format



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,048A

DATE: 04/07/2006

TIME: 10:25:46

Input Set : N:\SMITH\PTO.TS.14.txt Output Set: N:\CRF4\04072006\J019048A.raw

3 <140> CURRENT APPLICATION NUMBER: US/10/019,048A

E--> (0 <160> NUMBER OF SEQ ID NOS:

<170> SOFTWARE: PatentIn Vers. 3.3

#### ERRORED SEQUENCES

5 <210> SEQ ID NO: 1 6 <211> LENGTH: 2012 7 <212> TYPE: DNA

8 <213> ORGANISM: Physcomitrella patens

10 <220> FEATURE:

11 <221> NAME/KEY: CDS

12 <222> LOCATION: (319)..(1896)

Does Not Comply Corrected Diskette Needed

14 <400> SEQUENCE: 1

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RAW SEQUENCE LISTING DATE: 04/07/2006
PATENT APPLICATION: US/10/019,048A TIME: 10:25:46

Input Set : N:\SMITH\PTO.TS.14.txt
Output Set: N:\CRF4\04072006\J019048A.raw

53 tca gaa gta gca gta cac aac aag cca agc gat tgc tgg att gt	t gta 687
54 Ser Glu Val Ala Val His Asn Lys Pro Ser Asp Cys Trp Ile Va	ıl Val
55 110 115 120	
57 aaa aac aag gtg tat gat gtt tcc aat ttt gcg gac gag cat co	
58 Lys Asn Lys Val Tyr Asp Val Ser Asn Phe Ala Asp Glu His Pr	o Gly
59 125 130 135	
61 gga tca gtt att agt act tat ttt gga cga gac ggc aca gat gt	
62 Gly Ser Val Ile Ser Thr Tyr Phe Gly Arg Asp Gly Thr Asp Va	
63 140 145 150	155
65 tet agt tit cat gea get tet aca tgg aaa att ett caa gae tt	
66 Ser Ser Phe His Ala Ala Ser Thr Trp Lys Ile Leu Gln Asp Ph 67 160 165 17	
69 att ggt gac gtg gag agg gtg gag ccg act cca gag ctg ctg aa	
70 Ile Gly Asp Val Glu Arg Val Glu Pro Thr Pro Glu Leu Leu Ly	_
71 175 180 185	o wob
73 ttc cga gaa atg aga gct ctt ttc ctg agg gag caa ctt ttc aa	a aqt 927
74 Phe Arg Glu Met Arg Ala Leu Phe Leu Arg Glu Gln Leu Phe Ly	-
75 190 195 200	
77 tcg aaa ttg tac tat gtt atg aag ctg ctc acg aat gtt gct at	t ttt 975
78 Ser Lys Leu Tyr Tyr Val Met Lys Leu Leu Thr Asn Val Ala Il	e Phe
79 205 210 215	
81 gct gcg agc att gca ata ata tgt tgg agc aag act att tca gc	
82 Ala Ala Ser Ile Ala Ile Ile Cys Trp Ser Lys Thr Ile Ser Al	
83 220 225 230	235
85 ttg gct tca gct tgt atg atg gct ctg tgt ttc caa cag tgc gg	
86 Leu Ala Ser Ala Cys Met Met Ala Leu Cys Phe Gln Gln Cys Gl 87 240 245 25	
87 240 245 25 89 cta tcc cat gat ttt ctc cac aat cag gtg ttt gag aca cgc tg	
90 Leu Ser His Asp Phe Leu His Asn Gln Val Phe Glu Thr Arg Tr	
91 255 260 265	p neu
93 aat gaa gtt gtc ggg tat gtg atc ggc aac gcc gtt ctg ggg tt	t agt 1167
94 Asn Glu Val Val Gly Tyr Val Ile Gly Asn Ala Val Leu Gly Ph	
95 270 275 280	
97 aca ggg tgg tgg aag gag aag cat aac ctt cat cat gct gct co	a aat 1215
98 Thr Gly Trp Trp Lys Glu Lys His Asn Leu His His Ala Ala Pr	o Asn
99 285 290 295	
101 gaa tgc gat cag act tac caa cca att gat gaa gat att gat a	
102 Glu Cys Asp Gln Thr Tyr Gln Pro Ile Asp Glu Asp Ile Asp T	
103 300 305 310	315
105 ccc ctc att gcc tgg agc aag gac ata ctg gcc aca gtt gag a	
106 Pro Leu Ile Ala Trp Ser Lys Asp Ile Leu Ala Thr Val Glu A 107 320 325 3	sn Lys 30
109 aca ttc ttg cga atc ctc caa tac cag cat ctg ttc ttc atg g	
110 Thr Phe Leu Arg Ile Leu Gln Tyr Gln His Leu Phe Phe Met G	
111 335 340 345	Ly Dea
113 tta ttt ttc gcc cgt ggt agt tgg ctc ttt tgg agc tgg aga t	at acc 1407
114 Leu Phe Phe Ala Arg Gly Ser Trp Leu Phe Trp Ser Trp Arg T	
115 350 355 360	
117 tct aca gca gtg ctc tca cct gtc gac agg ttg ttg gag aag g	ga act 1455
	_

RAW SEQUENCE LISTING DATE: 04/07/2006
PATENT APPLICATION: US/10/019,048A TIME: 10:25:46

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

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118 Ser Thr Ala Val Leu Ser Pro Val Asp Arg Leu Leu Glu Lys Gly Thr
                                370
     121 gtt ctg ttt cac tac ttt tgg ttc gtc ggg aca gcg tgc tat ctt ctc
                                                                        1503
     122 Val Leu Phe His Tyr Phe Trp Phe Val Gly Thr Ala Cys Tyr Leu Leu
     123 380
                            385
                                               -390
     125 cct ggt tgg aag cca tta gta tgg atg gcg gtg act gag ctc atg tcc
                                                                        1551
     126 Pro Gly Trp Lys Pro Leu Val Trp Met Ala Val Thr Glu Leu Met Ser
                        400
                                           405
     129 ggc atg ctg ctg ggc ttt gta ttt gta ctt agc cac aat ggg atg gag
                                                                        1599
     130 Gly Met Leu Leu Gly Phe Val Phe Val Leu Ser His Asn Gly Met Glu
                    415
                                       420
                                                          425
     133 gtt tat aat tcg tct aaa gaa ttc gtg agt gca cag atc gta tcc aca
                                                                        1647
     134 Val Tyr Asn Ser Ser Lys Glu Phe Val Ser Ala Gln Ile Val Ser Thr
                                   435
                                                       440
     137 egg gat atc aaa gga aac ata ttc aac gac tgg ttc act ggt ggc ctt
                                                                        1695
     138 Arg Asp Ile Lys Gly Asn Ile Phe Asn Asp Trp Phe Thr Gly Gly Leu
                                450
     141 aac agg caa ata gag cat cat ctt ttc cca aca atg ccc agg cat aat
                                                                        1743
     142 Asn Arg Gln Ile Glu His His Leu Phe Pro Thr Met Pro Arg His Asn
                            465
     145 tta aac aaa ata gca cct aga gtg gag gtg ttc tgt aag aaa cac ggt
                                                                        1791
     146 Leu Asn Lys Ile Ala Pro Arg Val Glu Val Phe Cys Lys Lys His Gly
     147
                        480
                                           485
     149 ctg gtg tac gaa gac gta tct att gct acc ggc act tgc aag gtt ttg
                                                                        1839
     150 Leu Val Tyr Glu Asp Val Ser Ile Ala Thr Gly Thr Cys Lys Val Leu
                    495
                                       500
     153 aaa gca ttg aag gaa gtc gcg gag gct gcg gca gag cag cat gct acc
                                                                        1887
     154 Lys Ala Leu Lys Glu Val Ala Glu Ala Ala Glu Gln His Ala Thr
     157 acc agt taa cagtetttgg aaagettgge aattgatett tattetecae
                                                                        1936
     158 Thr Ser
159
284 <223> ORGANISM: Unknown W--> 286 <220> FEATURE:
W--> 286 <223 OTHER INFORMATION:
                             su p.4
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,048A

DATE: 04/07/2006 TIME: 10:25:46

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

envaled hucleic acid designation W--> 286 <400> 4

B--> 287 tggtggaart ggamicayaa

352 <210> SEQ ID NO: 12

353 <211> LENGTH: 60

354 <212> TYPE: DNA

355 <2155 ORGANISM: Unknown
W--> 357 <220> FEATURE:
W--> 357 <223 OTHER INFORMATION: -) see p. 6

see gr 7-8

W--> 357 <400> 12

358 gtcgacccgc ggactagtgg gccctctaga cccgggggat ccggatctgc tggctatgaa 60

W--> 371/HEINZ et al.

E--> 372/ s.n. 10/019,048

E--> 373 notice to comply 03/28/2006

B--> 375 1

file://C:\CRF4\OUTHOLD\VsrJ019048A.htm

SEQUENCE LISTING

(1107) Usent there

(1207) Mandatory.

(1307) Mandatory.

(1407) Listing

SEQUENCE LISTING

(1407) Lumend Matheir and their responser

(1607) Library of sequence

(170) Patentin Vers. 3.3



RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/019,048A DATE: 04/07/2006 TIMB: 10:25:47

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

#### Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

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Seq#:1; Line(s) 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:1; Line(s) 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
Seq#:1; Line(s) 44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
Seq#:1; Line(s) 64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83
Seq#:1; Line(s) 84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102
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Seq#:2; Line(s) 257,258,259,260,261,262,263,264,265,266,267,268,269,270,271
Seq#:2; Line(s) 272
Seq#:3; Line(s) 274,277,281
Seq#:4; Line(s) 286,290
Seq#:5; Line(s) 295,299
Seq#:6; Line(s) 304,308
Seq#:7; Line(s) 313,317
Seq#:8; Line(s) 322,326
Seq#:9; Line(s) 331,335
Seq#:10; Line(s) 340,344
Seq#:11; Line(s) 349,352
                                  eno explanation
Seq#:12; Line(s) 357
```

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings. Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:3,4,5,6,7,8,9,10,11,12

Patentin 2.0 "bug":

Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrected file required to the course of the causes are considered to the course of the causes are considered to the cause of the cause o causes a corrected file, resulting in miseing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

file://C:\CRF4\OUTHOLD\VsrJ019048A.htm

10/019,048A

1

<210> 5

<211> 17

<212> DNA

<213 Unknown

helde explanation: - see p. 6

<400> 5

ggraanarrt grtgytc

seep.8

17



VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/019,048A

DATE: 04/07/2006 TIME: 10:25:47

FYI

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

### Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:5; N Pos. 6

# VERIFICATION SUMMARY PATENT APPLICATION: US/10/019,048A DATE: 04/07/2006 TIME: 10:25:47

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

```
L:3 M:270 C: Current Application Number differs, Missing <140> CURRENT APPLICATION NUMBER: is
Added.
L:0 M:282 E: Numeric Field Identifier Missing, <160> is required.
L:0 M:282 E: Numeric Field Identifier Missing, <110> is required.
L:0 M:282 E: Numeric Field Identifier Missing, <120> is required.
L:277 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM: Unknown
L:277 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM: Unknown
L:277 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:277
L:279 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
L:286 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM: Unknown
L:286 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM: Unknown
L:286 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4;Line#:286
L:287 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:295 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
ORGANISM: Unknown
L:295 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM: Unknown
L:295 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:295
L:296 M:258 W: Mandatory Féature missing, <221> Tag not found for SEQ ID#:5
L:296 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:5
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:304 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
ORGANISM: Unknown
L:304 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM: Unknown
L:304 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:304
L:313 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM: Unknown
L:313 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM: Unknown
L:313 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7, Line#:313
L:322 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
ORGANISM: Unknown
L:322 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
L:322 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:322
L:331 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
ORGANISM: Unknown
L:331 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM: Unknown
L:331 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:331
L:340 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM: Unknown
L:340 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM: Unknown
L:340 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:340
L:349 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM: Unknown
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L:349 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>



#### ORGANISM: Unknown

L:349 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:349 L:357 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213> ORGANISM:Unknown

L:357 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213> ORGANISM:Unknown

L:357 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12, Line#:357

L:371 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:3

L:372 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:12

L:372 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:12

L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:60

L:372 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12 ·

L:372 M:254 E: No. of Bases conflict, LENGTH:Input:19 Counted:66 SEQ:12

L:372 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:9

L:372 M:112 C: (48) String data converted to lower case,

M:341 Repeated in SegNo=12

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/019,048A

DATE: 04/07/2006 TIME: 10:25:47

Input Set : N:\SMITH\PTO.TS.14.txt

Output Set: N:\CRF4\04072006\J019048A.raw

M:254 Repeated in SeqNo=12

L:373 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:13

M:112 Repeated in SeqNo=12

L:375 M:252 E: No. of Seq. differs, <211> LENGTH:Input:60 Found:82 SEQ:12

L:0 M:203 E: No. of Seq. differs, <160> Number Of Sequences: Input (0) Counted (12)